

**Figure 1A LCM, RNA isolation and amount of cDNA after 2 rounds of T7 amplification**

	Case 1		Case 2		Case 3		Case 4		Case 5	
	Normal	Cancer								
Number of LCM shots	48,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
Approx # of cells	200,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
Approx amt of RNA used for T7 amp	100ng	75ng	100ng	120ng	100ng	115ng	100ng	100ng	100ng	100ng
ds-cDNA amt after 2 rounds of T7 amp	8.75ug	5.88ug	1.56ug	6.88ug	2.5ug	2.97ug	23.5ug	6.0ug	17.74ug	23.13ug

Amount of ds-cDNA after 2 rounds of T7 amplification is dependent on the quality of the LCM-generated RNA from the normal and tumor tissues

**Figure 1B Percent transcripts detected in normal and tumor tissues**

	Case 1		Case 2		Case 3		Case 4		Case 5	
	Normal	Cancer								
% Genes detected	25.8	30.3	30.3	33.0	29.4	30.3	35.3	35.8	40.3	40.2

Figure 2A: 39 Genes whose expression changed in 5/5 cases

Accession Number	Name	Chromosome Localization	Oral Cancer Association	References
<b>Increase in Tumor</b>				
D86983	p53-responsive gene 2	2pter-p25.1	Yes	(Yeudall et al., 1997)
J03040	Secreted protein, acidic, cysteine-rich,osteoneectin	5q31.3-q32	Yes	(Porte et al., 1998)
M11147	Ferritin, light polypeptide	19q13.3-q13.4	Yes	(Kimura et al., 2000)
X12451	Cathepsin L	9q21-q22	Yes	(Kawamata et al., 1997; Strojan et al., 2000)
X17042	Proteoglycan 1, secretory granule	10q22.1		
X54925	Matrix metalloproteinase 1 (interstitial collagenase)	11q22.3	Yes	(Magary et al., 2000)
Z29083	5T4 oncofetal trophoblast glycoprotein	6		
D43968	Runt-related transcription factor 1 (acute myeloid leukemia 1)	21q22.23	Yes	(Mighell et al., 1997)
X02761	Fibronectin 1	2q34	Yes	
Z74616	Collagen, type I, alpha 2	7q22.1		
X57579	Inhibin, beta A (activin A, activin AB alpha polypeptide)	7p15-p13		
M30257	Vascular cell adhesion molecule 1	1p32-p31	Yes	(Liu et al., 1999)
M55998	Human alpha-1 collagen type I gene,	N/A		
X655965	Superoxide dismutase 2, mitochondrial	6q25.3	Yes	(Kurokawa et al., 1998; Muramatsu et al., 1995)
X54489	GRO1 oncogene (melanoma growth stimulating activity, alpha)	4q21	Yes	(Loukinova et al., 2000)
L13923	Fibrillin 1 (Marfan Syndrome)	15q21.1		
<b>Decrease in Tumor</b>				
X78932	Fibrillin 1 (Marfan Syndrome)	N/A		
J04469	Zinc finger protein 273	15q15	Yes	(Lin & Chen, 1991)
	Creatine kinase, mitochondrial 1 (ubiquitous)			

L05779	Epoxide hydrolase 2, cytoplasmic
M32402	Placental protein 11 (serine proteinase)
M69177	Monoamine oxidase B
M98447	Transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)
U17077	BENE protein
U34252	Aldehyde dehydrogenase 9 (gamma-aminobutyraldehyde dehydrogenase, E3 isozyme)

**Decrease in Tumor**

(Cont)

Name	
Aldehyde dehydrogenase 10 (fatty aldehyde dehydrogenase)	17p11.2
Lysophospholipase-like	3
Absent in melanoma 1	6q21
Human clone 23612	N/A
Keratin 4	12q13
Keratin 15	17q21
Neuromedin U	4q12
Sodium channel, nonvoltage-gated 1 alpha	12p13
Protein tyrosine kinase 6	20q13.3
Flavin containing monooxygenase 2	1q23-q251
Carboxylesterase 2 (intestine, liver)	16
Epithelial membrane protein 1	12p12.3
Interleukin 1 receptor antagonist	2q14.2
Cytochrome P450, subfamily IIC (mephenytoin4-hydroxylase), polypeptide 9	Yes
TYRO3 protein tyrosine kinase	(von Biberstein et al., 1996)
M61855	10q24
U18934	15q15.1-q21.1

Figure 2B: Representative sample of differentially regulated genes

Accession Number	Description/Function	Chromo-somal location	Altered Regulation
<b>Metastatic/Invasion Pathway</b>			
X12451	Cathepsin-L	9q21-22	Up 5/5
X54925	Collagenase/MMP 1	11q22.3	Up 5/5
X02419	UPA	10q24	Up 5/5
Z29083	5T4 Oncofetal protein	6q13-14	Up 5/5
<b>Transcriptional factors</b>			
D43968	Runt-related transcription factor/AML1	21q22	Up 5/5
U85658	ERF1 transcription factor	20q13.2	Down 4/5
<b>Onco-genes/suppressors</b>			
M57731	Gro-Beta Oncogene	4q12-13	Up 4/5
M16038	Lyn-tyrosine kinase (oncogene LYN)	8q13	Up 4/5
L13698	Gas-1	9q21.3-22.1	Up 4/5
Y07909	Tumour associated membrane protein (control cell- Cekk interactions & cell proliferation)	12p12.3	Down 5/5
X98311	CEA2 (onco-suppressor)	19q13.2	Down 5/5
M16750	PIM-1-oncogene	6p21.2	Down 4/5
U83115	AIM1 (onco-suppressor)	6q21	Down 4/5
<b>Differentiation Markers</b>			
X07695	Cytokeratin 4	12q13	Down 5/5
X07696	Cytokeratin 15	17q21	Down 5/5
M98447	Transglutaminase 1	14q11.2	Down 5/5
<b>Others</b>			
U37546	Apoptosis-inhibitor protein	11q22-23	Up 5/5
X76029	Neuromedin U	4q12	Down 5/5
S45630	Alpha-beta-crystallin/Rosenthal protein	11q22.3-23.1	Down 4/5
X78932	ZFP HZF9 (potent repressor)	19p12	Down 5/5
U47414	Cyclin G2 (cell cycle regulators)	4q21	Down 4/5

Figure 2C UP REGULATED GENES

Probe set	Description	Ave FC	Method*	T-test
X54925	MMP1, type I interstitial collagenase	429	G	0.093
X05232	MMP3, stromelysin-1	177	G	0.047
X57579	Activin $\beta$ -A subunit	146	G	0.066
U24577	LDL-phospholipase A2	133	G	0.003
X54489	Melanoma growth stimulatory activity	93	G M Gc	0.040
L23808	MMP12	70	G	0.060
X04602	Interleukin BSF-2	59	G	0.256
U20758	Osteopontin, SPP1	47	G	0.224
M21121	T cell-specific protein, RANTES	40	G	0.129
U09278	Fibroblast activation protein	39	G	0.087
X51441	Serum amyloid A, SAA	39	G	0.037
M63438	Immunoglobulin kappa variable 1D-8	35	G	0.071
Z19574	Cytokeratin 17	34	G	0.125
Z49194	Oct-binding factor	28	G Gc	0.081
U28488	Complement component 3a receptor 1	25	G	0.006
V00536	IFN- $\gamma$	24	G	0.150
X02761	Fibronectin	21	G	0.115
J03040	Osteonectin / SPARC	20	Gc	0.227
D55696	Cysteine protease	19	Gc	0.022
X52022	Collagen, type VI $\alpha$ 3	18	G	0.082
U89942	Lysyl oxidase-related protein	18	Gc G	0.202
M12759	Ig J chain	18	G	0.218
L13286	1,25-dihydroxyvitamin D3 24-hydroxylase	17	Gc G	0.052
X66867	Max	16	Gc	0.304
J05070	MMP9, type IV collagenase	16	G	0.287
M87789	IGHG3, Ig heavy constant $\gamma$ 3	16	G	0.102
X54867	NKG2, lectin-like receptor subfamily C	14	G	0.171
M13755	Interferon induced 17KDa/15KDa	13	G	0.052

\*G=GeneChip, M=Matlab, Gc=GeneCluster

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Figure 2D DOWN REGULATED GENES

Probe set	Description	Ave FC	Method*	T-test
X51420	Tyrosinase-related protein	0.06	M	0.202
X07695	Cytokeratin 4C	0.06	G M	0.002
U09578	MAPKAP kinase	0.08	M	0.238
Z84721	Globin, $\alpha$ and $\zeta$	0.08	M	0.036
M32402	Placental protein, PP11	0.10	G M	0.005
HG3884-HT4154	Homeotic Protein, Hpx-42	0.10	G	0.006
U85707	Leukemogenic homolog protein, MEIS1	0.10	G M	0.008
X76180	Ung amiloride sensitive Na <sup>+</sup> channel protein	0.10	G M	0.011
Y09267	Flavin-containing monooxygenase 2	0.10	M	0.036
X95240	Cysteine-rich secretory protein 3	0.10	M	0.141
X07696	Cytokeratin 15	0.11	G M	0.004
X76223	MAL, t cell differentiation protein	0.11	G M	0.041
U49114	Prohormone convertase 5 precursor, PC5	0.14	M	0.102
D13643	KIAA0018	0.14	Gc	0.001
U65932	Extracellular matrix protein 1, ECM1	0.14	M	0.048
M25079	Sickle cell $\beta$ -globin	0.14	M	0.085
M83186	Cytochrome c oxidase subunit VIIa	0.14	G M Gc	0.036
D00408	Cytochrome P-450, fetal liver	0.14	G	0.022
M27160	Tyrosinase, TYR	0.15	M	0.085
X87159	Epithelial amiloride-sensitive Na <sup>+</sup> channel, $\beta$	0.15	G	0.003
Y07909	Progression Associated Protein	0.15	M	0.004
X76029	Neuromedin U	0.15	Gc	0.000
D29958	KIAA0116	0.15	M Gc	0.050
U06643	Keratinocyte lectin 14, HKL-14	0.16	G M	0.001
X53296	IRAP	0.16	M	0.012
U15932	Protein phosphatase	0.16	G	0.045
HG4236-HT4506	Zinc Finger Protein, Znf138	0.16	M	0.079
D80010	KIAA0188	0.17	M	0.000

\*G=GeneChip, M=Matlab, Gc=GeneCluster

**Figure 3** Comparison of percent increases for 3 upregulated genes measured by GeneChip and Real-Time Quantitative PCR Data\*

	Samples	1	2	3	4	5
Accession	Gene	GC/RTQPCR	GC/RTQPCR	GC/RTQPCR	GC/RTQPCR	GC/RTQPCR
X54925	Collagenase	4300 / 1100	22900 / 36800	800 / 5500	49500 / 130000	7800 / 16500
X12451	Pro-cathepsin L	300 / 800	570 / 700	180 / 300	300 / 2800	300 / 400
X02419	UPA	400 / 100	440 / 800	150 / 3200	400 / 980	425 / 900

GC= Gene expression data

RT-QPCR= real time quantitative PCR

Comparison of Differential Collagenase Gene Expression measured by GeneChip microarray and RTQPCR

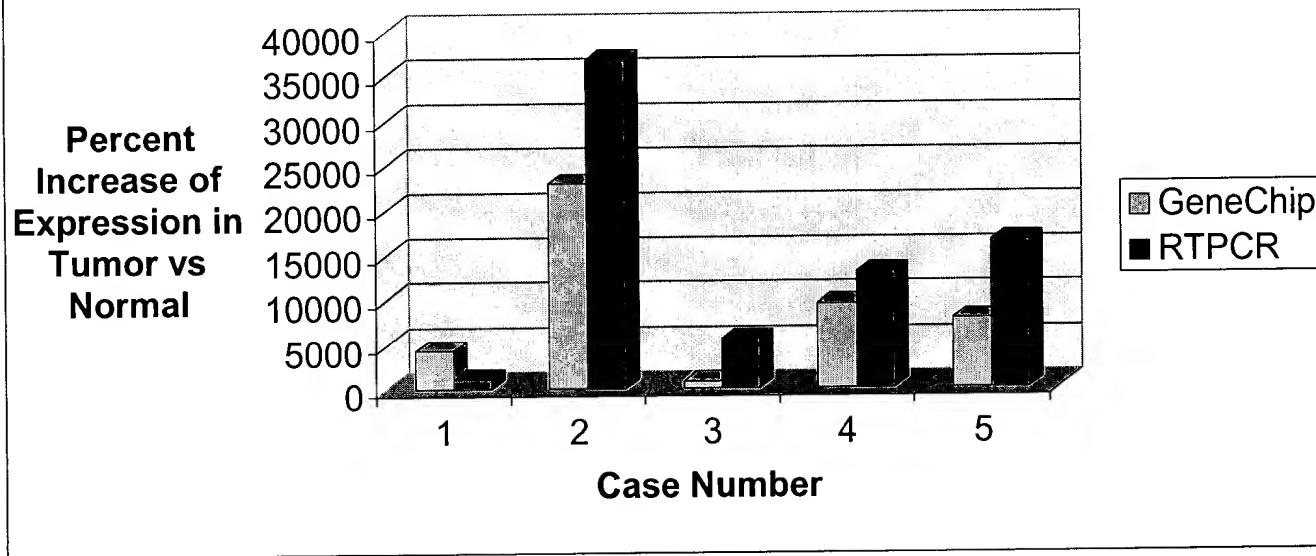


Figure 4

1 0 0 T 0 0 " 9 T 0 0 5 6 6 0

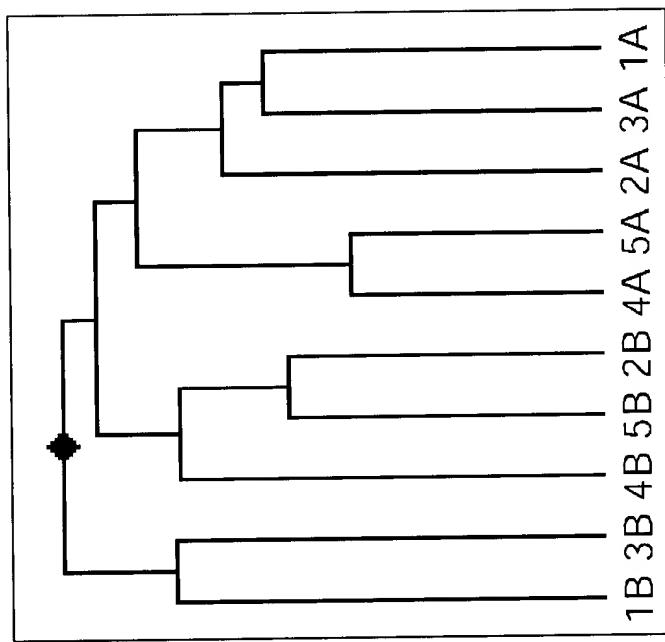


Figure 5

**Figure 6: Differentially Expressed Genes Identified by All 3 Methods**

Accession Number	Name	Expression Up/Down in Oral Cancer	Chromosome Localization	Oral Cancer Association	References
D00408	Cytochrome P450, subfamily IIIA polypeptide 7	See Comment 1	ND		
D13666	Osteoblast specific factor 2	Up in Cancer	13		
D42047	KIAA0089	Down in Cancer	3		
D43968	Runt-related transcription factor 1	Up in Cancer	21q22.3		
D84276	CD38 antigen (p45)	Up in Cancer	4p15		
HG3494-HT3688	Nuclear Protein IL6	Up in Cancer	ND	Yes	(Ondrey et al., 1999)
J03258	Vitamin D receptor	Down in Cancer	12q12-q14	Yes	(Lotan, 1997)
J03473	ADP-ribosyltransferase	Up in Cancer	1q41-q42		
J03909	Interferon, gamma inducible protein 30	Up in Cancer	19p13.1		
J04080	Complement component 1, s subcomponent	Up in Cancer	12p13		
M14200	Diazepam binding inhibitor	Down in Cancer	2q12-q21		
M15661	Ribosomal protein L36a	Down in Cancer	14		
M34309	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog3	Down in Cancer	12q13	Yes	(Shintani et al., 1995)
M69177	Monoamine oxidase B	Down in Cancer	Xp11.4-p11.3		
M81182	ATP-binding cassette, subfamily D	Down in Cancer	1p22-p21		
S45630	Crystallin, alpha B	Down in Cancer	11q22.3-q23.1		
U18934	TYRO3 protein tyrosine kinase	Down in Cancer	15q15.1-q21.1		
U34252	Aldehyde dehydrogenase 9	Down in Cancer	1q22-q23		
U46689	Aldehyde dehydrogenase 10	Down in Cancer	17p11.2		
U56814	Deoxyribonuclease I-like 3	Down in Cancer	3p21.1-p14.3	Yes	(Kawamata et al., 1997; Strojan et al., 2000)
X12451	Cathepsin L	Up in Cancer	9q21-q22		
X54489	GRO1 oncogene (MGSA)	Up in Cancer	4q21	Yes	(Loukinova et al., 2000)
X76029	Neuromedin U	Down in Cancer	4q12		
X78932	Zinc finger protein 273	Down in Cancer	ND		
X87241	FAT tumor suppressor	Up in Cancer	4q34-q35		
Y00815	Protein tyrosine phosphatase, receptor, type, F	Down in Cancer	1q34	Yes	
Z29083	5T4 oncofetal trophoblast glycoprotein	Up in Cancer	6		

## FIGURE 7

Probe Set	Description
AB000114_at	"AB000114, class A, 20 probes, 20 in AB000114 1818-2208, Human mRNA for osteomodulin, complete cds"
AB000115_at	"AB000115, class A, 20 probes, 20 in AB000115 1469-1973, Human mRNA, complete cds"
AC002115_cds1_at	"AC002115, class A, 20 probes, 16 in AC002115mRNA#2 3349-7559: 4 not in GB record, COX6B gene (COXG) extracted from Human DNA from overlapping chromosome 19 cosmids R31396, F25451, and R31076 containing COX6B and UPKA, genomic sequence, COX6B gene (COXG) e"
AF008445_at	"AF008445, class A, 20 probes, 20 in AF008445 895-1387, Homo sapiens phospholipid scramblase mRNA, complete cds. /gb=AF008445 /ntype=RNA"
D00003_s_at	"D00003, class B, 12 probes, 12 in D00003 1681-1981, Human liver cytochrome P-450 mRNA, complete cds, Human liver cytochrome P-450 mRNA, complete cds"
D00408_s_at	"D00408, class B, 11 probes, 11 in D00408 1373-1921, Human fetal liver cytochrome P-450 (P-450 HFLa), complete cds, Human fetal liver cytochrome P-450 (P-450 HFLa), complete cds"
D11151_at	"D11151, class A, 20 probes, 20 in D11151exon 1936-2434, Human DNA for endothelin-A receptor, 5' flanking region and"
D12775_s_at	"D12775, class A, 20 probes, 20 in D12775 3124-3662, Human mRNA for erythrocyte-specific AMP deaminase, complete cds"
D13644_at	"D13644, class A, 20 probes, 20 in D13644 4013-4523, Human mRNA for KIAA0019 gene, complete cds"
D13666_s_at	"D13666, class A, 20 probes, 20 in D13666 2630-3072, Homo sapiens mRNA for osteoblast specific factor 2 (OSF-2os)"
D14520_at	"D14520, class A, 20 probes, 20 in D14520 718-1258, Human mRNA for GC-Box binding protein BTEB2, complete cds"
D14658_at	"D14658, class A, 20 probes, 20 in D14658 859-1285, Human mRNA for KIAA0102 gene, complete cds"
D16217_at	"D16217, class A, 20 probes, 20 in D16217 1904-2414, Human mRNA for calpastatin, complete cds"
D21255_at	"D21255, class A, 20 probes, 20 in D21255 3362-3812, Human mRNA for OB-cadherin-2, complete cds"
D22304_at	"D22304, class A, 20 probes, 20 in D25304 4431-4701, Human mRNA for KIAA0006 gene, partial cds"
D28915_at	"D28915, class A, 20 probes, 16 in D28915cds 1002-1272: 4 in reverseSequence, 114-186, Human gene for hepatitis C-associated microtubular aggregate protein p44"
D31883_at	"D31883, class A, 20 probes, 20 in D31883 6153-6711, Human mRNA for KIAA0059 gene, complete cds"
D31887_at	"D31887, class A, 20 probes, 20 in D31887 4050-4512, Human mRNA for KIAA0062 gene, partial cds"
D32129_f_at	"D32129, class A, 20 probes, 20 in D32129 920-1425, Human mRNA for HLA class-I (HLA-A26) heavy chain, complete cds (clone cM1Y-1)"
D38551_at	"D38551, class A, 20 probes, 20 in D38551 3082-3592, Human mRNA for KIAA0078 gene, complete cds"
D42047_at	"D42047, class A, 20 probes, 20 in D42047 3472-3970, Human mRNA for KIAA0089 gene, partial cds"
D42073_at	"D42073, class A, 20 probes, 20 in D42073 1551-2049, Human mRNA for reticulocalbin, complete cds"
D43636_at	"D43636, class A, 20 probes, 20 in D43636 3576-4080, Human mRNA for KIAA0096 gene, partial cds"
D43682_s_at	"D43682, class A, 20 probes, 20 in D43682 1584-2115, Human mRNA for very-long-chain acyl-CoA dehydrogenase (VLCAD), complete cds"
D43968_at	"D43968, class A, 20 probes, 20 in D43968 6790-7222, Human AML1 mRNA for AML1b protein (alternatively spliced product), complete cds"
D49387_at	"D49387, class A, 20 probes, 20 in D49387 401-917, Human mRNA for NADP dependent leukotriene b4 12-hydroxydihydrogenase, partial cds. /gb=D49387 /ntype=RNA"
D49489_at	"D49489, class A, 20 probes, 20 in D49489 1267-1759, Human mRNA for protein disulfide isomerase-related protein P5, complete cds"
D49950_at	"D49950, class A, 20 probes, 20 in D49950 495-918, Human Liver mRNA for interferon-gamma inducing factor (IGIF), complete cds"
D61391_at	"D61391, class A, 20 probes, 20 in D61391 1169-1685, Human mRNA for phosphoribosyphosphate synthetase-associated protein 39, complete cds"
D79987_at	"D79987, class A, 20 probes, 20 in D79987 6109-6523, Human mRNA for KIAA0165 gene, complete cds"

D79990\_at  
 "D79990, class A, 20 probes, 20 in D79990 5065-5383, Human mRNA for KIAA0168 gene, complete cds"  
 D79992\_at  
 "D79992, class A, 20 probes, 20 in D79992 6597-6897, Human mRNA for KIAA0170 gene, complete cds"  
 D79994\_at  
 "D79994, class A, 20 probes, 20 in D79994 4227-4749, Human mRNA for KIAA0172 gene, partial cds"  
 D80000\_at  
 "D80000, class A, 20 probes, 20 in D80000 5250-5754, Human mRNA for KIAA0178 gene, partial cds"  
 D80010\_at  
 "D80010, class A, 20 probes, 20 in D80010 4778-5198, Human mRNA for KIAA0188 gene, partial cds"  
 D83018\_at  
 "D83018, class A, 20 probes, 20 in D83018 2645-3149, Human mRNA for nel-related protein 2, complete cds"  
 D84239\_at  
 "D84239, class A, 20 probes, 20 in D84239 15949-16339, Human mRNA for IgG Fc binding protein, complete cds"  
 D84276\_at  
 "D84276, class A, 20 probes, 18 in D84276 909-1185:2 in reverseSequence, 1299-1305, Human mRNA for CD38, complete cds"  
 D85181\_at  
 "D85181, class A, 20 probes, 20 in D85181 1502-2018, Human mRNA for fungal sterol-C5-desaturase homolog, complete cds"  
 D85429\_at  
 "D85429, class A, 20 probes, 20 in D85429exon#3 813-1347, Human DNA for heat shock protein 40, complete cds"  
 D86956\_at  
 "D86956, class A, 20 probes, 20 in D86956 3139-3589, Human mRNA for KIAA0201 gene, complete cds"  
 D86957\_at  
 "D86957, class A, 20 probes, 20 in D86957 3869-4265, Human mRNA for KIAA0202 gene, partial cds"  
 D86959\_at  
 "D86959, class A, 20 probes, 20 in D86959 5435-5867, Human mRNA for KIAA0204 gene, complete cds"  
 D86961\_at  
 "D86961, class A, 20 probes, 20 in D86961 3678-4188, Human mRNA for KIAA0206 gene, partial cds"  
 D86974\_at  
 "D86974, class A, 20 probes, 20 in D86974 5077-5308, Human mRNA for KIAA0220 gene, partial cds"  
 D86983\_at  
 "D86983, class A, 20 probes, 20 in D86983 5131-5485, Human mRNA for KIAA0230 gene, partial cds"  
 D86985\_at  
 "D86985, class A, 20 probes, 20 in D86985 5502-5946, Human mRNA for KIAA0232 gene, complete cds"  
 D87119\_at  
 "D87119, class A, 20 probes, 20 in D87119 3614-4160, Human cancellous bone osteoblast mRNA for GS3955, complete cds"  
 D87258\_at  
 "D87258, class A, 20 probes, 20 in D87258 1489-1999, Human cancellous bone osteoblast mRNA for serin protease with IGF-binding motif, complete cds"  
 D87445\_at  
 "D87445, class A, 20 probes, 20 in D87445 6334-6892, Human mRNA for KIAA0256 gene, complete cds"  
 HG1428-HT1428\_s\_at  
 "Globin, Beta"  
 Macmarks  
 "Transcription Factor E4fl, Respiratory, Gamma 2 Subunit, Alt. Splice 4"  
 HG1612-HT1612\_at  
 "External Membrane Protein, 130 Kda"  
 HG1686-HT4572\_s\_at  
 HG2090-HT2152\_s\_at  
 HG2788-HT2896\_at  
 HG3431-HT3616\_s\_at  
 HG3494-HT3688\_at  
 HG3570-HT3773\_at  
 HG4297-HT4567\_at  
 HG4334-HT4604\_s\_at  
 HG4557-HT4962\_at  
 HG658-HT658\_f\_at  
 J00277\_at  
 "J00277, class C, 20 probes, 20 in all\_J00277 3607-3724, Human (genomic clones lambda-[SK2-72, HS578T]; cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene, complete coding sequence"  
 J02871\_s\_at  
 "J02871, class A, 20 probes, 20 in J02871 1475-1931, Human lung cytochrome P450 (IV subfamily) B1 protein, complete cds"  
 J03040\_at  
 "J03040, class A, 20 probes, 20 in J03040 1508-2000, Human SPARC/osteonectin mRNA, complete cds"  
 J03077\_s\_at  
 "J03077, class A, 20 probes, 20 in J03077 2159-2692, Human co-beta glucosidase (proactivator) mRNA, complete cds"  
 J03258\_at  
 "J03258, class A, 20 probes, 20 in J03258mRNA 4003-4561, Human vitamin D receptor mRNA, complete cds"  
 J03473\_at  
 "J03473, class A, 20 probes, 20 in J03473mRNA 3212-3752, Human poly(ADP-ribose) synthetase mRNA, complete cds"  
 J03474\_at  
 "J03474, class A, 20 probes, 20 in J03474cds 3-255, Human serum amyloid A gene, complete cds"  
 J03827\_at  
 "J03827, class A, 20 probes, 20 in J03827 970-1438, Y box binding protein-1 (YB-1) mRNA"

"J03909, class A, 20 probes, 20 in J03909 461-995, Human gamma-interferon-inducible protein (IP-30) mRNA, complete cds"  
"J04056, class A, 20 probes, 20 in J04056 746-1118, Human carbonyl reductase mRNA, complete cds"  
"J04076, class A, 20 probes, 20 in J04076 mRNA 2171-2651, Human early growth response 2 protein (EGR2) mRNA, complete cds"  
"J04080, class A, 20 probes, 20 in J04080 mRNA 2136-2604, Human complement component Clr mRNA, complete cds"  
"J04093, class A, 20 probes, 20 in J04093 1842-2342, Homo sapiens phenol UDP-glucuronosyltransferase (UDPGT) mRNA, complete cds"  
"J04130, class A, 20 probes, 20 in J04130 mRNA 87-634, Human activation (Act-2) mRNA, complete cds"  
"J04162, class A, 20 probes, 20 in J04162 mRNA 1406-1940, Human leukocyte IgG receptor (Fc-gamma-R) mRNA, complete cds"  
"J04164, class A, 20 probes, 20 in J04164 356-804, Human interferon-inducible protein 27-Sep mRNA, complete cds"  
"J04177, class A, 20 probes, 20 in J04177 5773-6133, Human alpha-1 type XI collagen (COL11A1) mRNA, complete cds"  
"J04469, class B, 20 probes, 11 in J04469 exon#9 11-173: 9 not in GB record, Human mitochondrial creatine kinase (CKMT) gene, complete cds"  
"J05070, class A, 20 probes, 20 in J05070 1805-2303, Human type IV collagenase mRNA, complete cds"  
"J05633, class A, 20 probes, 20 in J05633 2714-3008, Human integrin beta-5 subunit mRNA, complete cds"  
"K03430, class C, 20 probes, 20 in all K03430 414-853, Human complement C1q B-chain gene"  
"L00352, class A, 20 probes, 20 in L00352 exon 1952-2492, Human low density lipoprotein receptor gene"  
"L05187, class C, 20 probes, 20 in all L05187 2284-2339, Homo sapiens small proline-rich protein 1 (SPRR1A) gene, complete cds"  
"L05779, class A, 20 probes, 20 in L05779 1535-2069, Human cytosolic epoxide hydrolase mRNA, complete cds"  
"L06797, class A, 20 probes, 20 in L06797 1041-1599, Human (clone L5) orphan G protein-coupled receptor mRNA, complete cds"  
"L06895, class A, 20 probes, 20 in L06895 503-977, Homo sapiens antagonist of myc transcriptional activity (Mad) mRNA, complete cds"  
"L08895, class C, 20 probes, 20 in all L08895 3518-4059, Homo sapiens MADS/MEF2-family transcription factor (MEF2C) mRNA, complete cds"  
"L10373, class A, 20 probes, 20 in L10373 1311-1713, Human (clone CCG-B7) mRNA sequence"  
"L10386, class A, 20 probes, 20 in L10386 2036-2498, Homo sapiens transglutaminase E3 (TGASE3) mRNA, complete cds"  
"L10678, class A, 20 probes, 20 in L10678 128-1650, Human profilin II mRNA, complete cds"  
"L10717, class A, 20 probes, 20 in L10717 6303-6332, Homo sapiens T cell-specific tyrosine kinase mRNA, complete cds"  
"L11370, class A, 20 probes, 20 in L11370 3486-4038, Human protocadherin 42 mRNA, complete cds for abbreviated PC42"  
"L11931, class A, 20 probes, 20 in L11931 1454-1644, Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete cds"  
"L12350, class A, 20 probes, 20 in L12350 mRNA 5247-5721, Human thrombospondin 2 (THBS2) mRNA, complete cds"  
"L13286, class A, 20 probes, 20 in L13286 2671-3205, Human mitochondrial 1,25-dihydroxyvitamin D3 24-hydroxylase mRNA, complete cds"  
"L13329, class A, 20 probes, 20 in L13329 exon 434-938, Homo sapiens iduronate-2-sulfatase (IDS) gene"  
"L13391, class A, 20 probes, 20 in L13391 exon#5 265-808, Human helix-loop-helix basic phosphoprotein (G0S8) gene, complete cds"  
"L13923, class A, 20 probes, 20 in L13923 9109-9601, Homo sapiens fibrillin mRNA, complete cds"  
"L14837, class A, 20 probes, 20 in L14837 7335-7839, Human tight junction (zonula occludens) protein ZO-1 mRNA, complete cds"  
"L19437, class A, 20 probes, 20 in L19437 857-1211, Human transaldolase mRNA containing transposable element, complete cds"  
"L19605, class A, 20 probes, 20 in L19605 1483-1915, Homo sapiens 56K autoantigen annexin XI gene mRNA, complete cds"  
"L19872, class A, 20 probes, 11 in L20591 exon 1-295: 9 not in GB record, Human annexin III (ANX3) gene, alternative"  
"L20591, class B, 20 probes, 20 in L20591 4756-5059, Homo sapiens galactocerebroside (GALC) mRNA, complete cds"  
"L23116, class A, 20 probes, 20 in L23116 3296-3644, Homo sapiens metalloproteinase (HME) mRNA, complete cds"  
"L23808, class A, 20 probes, 20 in L23808 1297-1717, Human metalloproteinase (HME) mRNA, complete cds"  
"L24203, class A, 20 probes, 20 in L24203 2423-2891, Homo sapiens ataxia-telangiectasia group D-associated protein mRNA, complete cds"  
"L27560, class A, 20 probes, 20 in L27560 mRNA 986-1262, Human insulin-like growth factor binding protein 5 (IGFBP5) mRNA"  
"L32179, class A, 20 probes, 20 in L32179 mRNA 1028-1556, Human arylacetamide deacetylase mRNA, complete cds"



M26311\_s\_at  
M26376\_cds2\_at  
collagen type IV gene"  
M27160\_at  
"M27160, class A, 20 probes, 20 in M27160mRNA 1441-1879, Human tyrosinase (TYR) mRNA, complete cds"  
M29064\_at  
"M29064, class A, 20 probes, 20 in M29064 1225-1657, Human hnRNP B1 protein mRNA"  
M29540\_at  
"M29540, class A, 20 probes, 20 in M29540 2616-2949, Human carcinoembryonic antigen mRNA (CEA), complete cds"  
M30257\_at  
"M30257, class A, 20 probes, 20 in M30257 2214-2709, Human vascular cell adhesion molecule 1 mRNA, complete cds"  
M30818\_s\_at  
M30818\_at  
"M30818, class A, 20 probes, 20 in M30818mRNA 2384-2888, Human interferon-induced cellular resistance mediator protein (MxB) mRNA, complete cds"  
M31551\_s\_at  
M31551\_at  
"M31551, class C, 20 probes, 20 in all\_M31551 576-1134, Human urokinase inhibitor (PAI-2) gene"  
M31627\_at  
"M31627, class A, 20 probes, 20 in M31627 1191-1725, Human X box binding protein-1 (XBP-1) mRNA, complete cds"  
M31642\_at  
"M31642, class A, 20 probes, 20 in M31642mRNA 802-1288, Human hypoxanthine phosphoribosyltransferase (HPRT) mRNA, complete cds"  
M31642\_at  
"M31642, class C, 20 probes, 20 in all\_M31642 117-538, Human cytosolic aldehyde dehydrogenase (ALDH1) gene"  
M31994\_at  
"M31994, class A, 20 probes, 20 in M31994 117-2157, Human neutrophil oxidase factor (p67-phox) mRNA, complete cds"  
M32011\_at  
"M32011, class A, 20 probes, 20 in M32011mRNA 1623-2157, Human placental protein (PP11) mRNA, complete cds"  
M32402\_at  
"M32402, class A, 20 probes, 20 in M32402mRNA 1851-2253, Human ornithine decarboxylase gene, complete cds"  
M33764\_at  
"M33764, class B, 20 probes, 12 in M33764cds 1158-1350, 8 in reverseSequence, 7989-8235, Human ornithine decarboxylase gene, complete cds"  
M33882\_at  
"M33882, class A, 20 probes, 20 in M33882 2348-2762, Human p78 protein mRNA, complete cds"  
M34057\_at  
"M34057, class A, 20 probes, 20 in M34057 4720-5044, Human transforming growth factor-beta 1 binding protein mRNA, complete cds"  
M34309\_at  
"M34309, class A, 20 probes, 20 in M34309 4410-4836, Human epidermal growth factor receptor (HER3) mRNA, complete cds"  
M34423\_at  
"M34423, class A, 20 probes, 20 in M34423 1856-2312, Human beta-galactosidase (GLB1) mRNA, complete cds"  
M34516\_at  
"M34516, class C, 11 probes, 11 in all\_M34516 426-469, Human omega light chain protein 14.1 (lg lambda chain related) gene, Human omega light chain protein 14.1 (lg lambda chain related) gene"  
M35878\_at  
"M35878, class A, 20 probes, 20 in M35878exon#4 1993-2443, Human insulin-like growth factor-binding protein-3 gene, complete cds, clone HL1006d"  
M36341\_at  
"M36341, class A, 20 probes, 20 in M36341 912-1458, Human ADP-ribosylation factor 4 (ARF4) mRNA, complete cds"  
M37721\_at  
"M37721, class A, 20 probes, 20 in M37721 3297-3705, Human peptidylglycine alpha-aminating monoxygenase mRNA, complete cds"  
M37766\_at  
"M37766, class A, 20 probes, 20 in M37766 475-955, Human MEM-102 glycoprotein mRNA, complete cds"  
M55542\_at  
"M55542, class A, 20 probes, 20 in M55542mRNA 2310-2802, Human alpha-1 collagen type I gene, 3' end"  
M55998\_at  
"M55998, class C, 20 probes, 20 in all\_M55998 2-265, Human IgE-binding protein (epsilon-BP) mRNA, complete cds"  
M57710\_at  
"M57710, class A, 20 probes, 20 in M57710 355-865, Human IgE-binding protein (epsilon-BP) mRNA, complete cds"  
M57731\_s\_at  
"M57731, class A, 20 probes, 20 in M57731mRNA 617-1032, Human gro-beta mRNA, complete cds"  
M59465\_at  
"M59465, class A, 20 probes, 20 in M59465 3867-4341, Human tumor necrosis factor alpha inducible protein A20 mRNA, complete 6b"  
M61853\_at  
"M61853, class C, 20 probes, 20 in all\_M61853 1735-2240, Human cytochrome P4502C18 (CYP2C18) mRNA, clone 25"  
M61855\_at  
"M61855, class C, 20 probes, 20 in all\_M61855 1535-1714, Human cytochrome P4502C9 (CYP2C9) mRNA, clone 25"  
M61906\_at  
"M61906, class A, 20 probes, 20 in M61906 2813-3326, Human P13-kinase associated p85 mRNA sequence"  
M62982\_at  
"M62982, class A, 20 probes, 20 in M62982 1795-2299, Human arachidonate 12-lipoxygenase mRNA, complete cds"  
M63256\_at  
"M63256, class A, 20 probes, 20 in M63256 1975-2497, Human major Y0 paraneoplastic antigen (CDR2) mRNA, 3' end"  
M63438\_s\_at  
"M63438, class A, 17 probes, 17 in M63438 794-1195, Human Ig rearranged gamma chain mRNA, V-J-C region and complete cds"  
M63835\_at  
"M63835, class A, 20 probes, 20 in M63835mRNA 896-1388, Human IgG Fc receptor I gene"  
M64082\_at  
"M64082, class A, 20 probes, 20 in M64082 1605-2055, Human flavin-containing monoxygenase (FMO1) mRNA, complete cds"  
M64347\_at  
"M64347, class A, 20 probes, 20 in M64347 3335-3720, Human novel growth factor receptor mRNA, 3' cds"  
M64929\_at  
"M64929, class A, 20 probes, 20 in M64929 1572-2100, Human protein phosphatase 2A alpha subunit mRNA, complete cds"  
M65292\_at  
"M65292, class A, 20 probes, 20 in M65292 667-1202, Human factor H homologue mRNA, complete cds"

M69177_at	"M69177, class A, 20 probes, 20 in M69177 1992-2436, Human monoamine oxidase B (MAOB) mRNA, complete cds"
M69181_at	"M69181, class A, 20 probes, 20 in M69181 6995-7523, Human nonmuscle myosin heavy chain-B (MYH10) mRNA, partial cds"
M76482_at	"M76482, class A, 20 probes, 20 in M76482 2855-3251, Human 130-kD pempigus vulgaris antigen mRNA, complete cds"
M77349_at	"M77349, class A, 20 probes, 20 in M77349 2 102-2642, Human transforming growth factor-beta induced gene product (BIGH3) mRNA, complete cds"
M81182_s_at	"M81182, class A, 20 probes, 20 in M81182 2831-3314, Homo sapiens peroxisomal 70 kD membrane protein mRNA, complete cds"
M83186_at	"M83186, class A, 20 probes, 20 in M83186 103-316, Human cytochrome c oxidase subunit VIIa (COX7A) muscle isoform mRNA, complete cds"
M83667_mal_s_at	"M83667, class A, 20 probes, 20 in M83667 mRNA 713-1143, Human NF-1L6-beta protein mRNA, complete cds"
M83822_at	"M83822, class A, 20 probes, 20 in M83822 6791-7253, Human beige-like protein (BGL) mRNA, partial cds"
M86699_at	"M86699, class A, 20 probes, 20 in M86699 3355-33787, Human kinase (T1K) mRNA, complete cds"
M87789_s_at	"M87789, class A, 20 probes, 20 in M87789 1021-1512, Human (hybridoma H210) anti-hepatitis A IgG variable region, constant region, complementarity-determining regions mRNA, complete cds"
M88458_at	"M88458, class A, 20 probes, 20 in M88458 585-1095, Human ELP-1 mRNA sequence"
M93036_at	"M93036, class A, 20 probes, 18 in M93036 mRNA 987-1353: 2 in reverseSequence, 527-545, Human (clone 21726) carcinoma-associated antigen GA733-2 (GA733-2) mRNA"
M93056_at	"M93056, class A, 20 probes, 20 in M93056 859-1273, Human monocyte/neutrophil elastase inhibitor mRNA sequence"
M93221_at	"M93221, class A, 20 probes, 20 in M93221 mRNA 4618-5110, Human macrophage mannose receptor (MRC1) gene"
M93426_at	"M93426, class A, 20 probes, 20 in M93426 7455-7845, Human protein tyrosine phosphatase zeta-polypeptide (PTPRZ) mRNA, complete cds"
M96740_at	"M96740, class A, 20 probes, 20 in M96740 2014-2476, Human NSCL-2 gene sequence"
M97935_s_at	"M97935, class A, 20 probes, 20 in M97935 3412-3886, Human transcription factor ISGF-3 mRNA sequence"
M97936_at	"M97936, class A, 20 probes, 20 in M97936 2354-2564, Human transcription factor ISGF-3 mRNA sequence"
M98447_mal_at	"M98447, class A, 20 probes, 20 in M98447 mRNA 2256-2670, H.sapiens keratinocyte transglutaminase gene, complete cds"
M98776_mal_at	"M98776, class A, 20 probes, 20 in M98776 mRNA 1864-2266, Human keratin 1 gene, complete cds"
M98776_mal_at	"M98776, class A, 20 probes, 20 in M98776 mRNA 1864-2266, Human keratin 1 gene, complete cds"
S45630_at	"S45630, class A, 20 probes, 20 in S45630 108-612, alpha B-crystallin=Rosenthal fiber component [human, glial cell line, mRNA, 453 nt]"
S54005_at	"S54005, class A, 20 probes, 20 in S54005 2-197, thymosin beta-10 [human, metastatic melanoma cell line, mRNA, 1398 nt]"
S59049_at	"S59049, class A, 20 probes, 20 in S59049 786-1314, BL34=B cell activation gene [human, mRNA, 5828 nt]"
S62239_at	"S62239, class A, 20 probes, 20 in S62239 5366-5756, insulin receptor substrate-1 [human, skeletal muscle, mRNA, 1435 nt]"
S67156_at	"S67156, class A, 20 probes, 20 in S67156 876-1368, ASP=aspartoacylase [human, kidney, mRNA, 2330 nt]"
S68805_at	"S68805, class A, 20 probes, 20 in S68805 1972-2305, L-arginine:glycine amidinotransferase [human, kidney carcinoma cells, mRNA, 2124 nt]"
S69232_at	"S69232, class A, 20 probes, 20 in S69232 1584-1992, electron transfer flavoprotein-ubiquinone oxidoreductase [human, fetal liver, mRNA, 2704 nt]"
S73591_at	"S73591, class A, 20 probes, 20 in S73591 2169-2649, brain-expressed HICPA78 homolog [human, HL-60 acute promyelocytic leukemia cells, mRNA, 2704 nt]"
S74017_at	"S74017, class A, 20 probes, 20 in S74017 1721-2213, Nrf2=NF-E2-like basic leucine zipper transcriptional activator [human, hemin-induced K562 cells, mRNA, 2304 nt]"
S74728_at	"S74728, class A, 20 probes, 20 in S74728 1245-1773, antiquitin=26g tumor protein homolog [human, kidney, mRNA, 1809 nt]"
S78187_at	"S78187, class A, 20 probes, 20 in S78187 2548-3064, CDC25Hu2=cdc25+ homolog [human, mRNA, 3118 nt]"
S78569_at	"S78569, class A, 20 probes, 20 in S78569 5723-6161, laminin alpha 4 chain [human, fetal lung, mRNA, 6204 nt]"
S82597_mal_s_at	"S82597, class A, 20 probes, 20 in S82597 mRNA 9-507, Description: UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase gene extracted from UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase/GalNAc-transferase {3' region, exon 11} [human, placenta]"
U02020_at	"U02020, class C, 20 probes, 20 in all U02020 1985-2352, Human pre-B cell enhancing factor (PBEBF) mRNA, complete cds"
U02556_at	"U02556, class A, 20 probes, 20 in U02556 1579-2101, Human RP3 mRNA, complete cds"
U03272_at	"U03272, class A, 20 probes, 20 in U03272 9619-10081, Human fibrillin-2 mRNA, complete cds"

U04898\_at  
 U05861\_at  
 U06643\_s\_at  
 U07919\_at  
 U09278\_at  
 U09578\_at  
 U09770\_at  
 U12767\_at  
 U13737\_at  
 U14518\_at  
 U14970\_at  
 U15932\_at  
 U16306\_at  
 U16799\_s\_at  
 U17077\_at  
 U18062\_at  
 U18934\_at  
 U20158\_at  
 U20758\_m1\_at  
 U21128\_at  
 U23942\_at  
 U24166\_at  
 U24577\_at  
 U25182\_at  
 U26312\_s\_at  
 U27326\_s\_at  
 U27333\_s\_at  
 U28488\_s\_at  
 U31201\_cds2\_s\_at  
 U31556\_at  
 U32849\_at  
 U34252\_at  
 U37518\_at  
 U37519\_at  
 U38545\_at  
 U39318\_at  
 U40622\_at  
 U41060\_at

"U04898, class A, 20 probes, 20 in U04898 1421-1877, Human orphan hormone nuclear receptor RORalpha2 mRNA, complete cds"  
 "U05861, class B, 20 probes, 15 in U05861exon50-243: 5 not in GB record, Human hepatic dihydriodiol dehydrogenase gene"  
 "U06643, class A, 19 probes, 19 in U06643 71-463, Human keratinocyte lectin 14 (HK1-14) mRNA, complete cds."  
 "U07919, class A, 20 probes, 20 in U07919 2973-3399, Human aldehyde dehydrogenase 6 mRNA, complete cds"  
 "U09278, class A, 20 probes, 20 in U09278 2285-2735, Human fibroblast activation protein mRNA, complete cds"  
 "U09578, class A, 20 probes, 20 in U09578 2012-2456, Human MAPKAP Kinase (3pK) mRNA, complete cds"  
 "U09770, class A, 20 probes, 20 in U09770 61-391, Human cysteine-rich heart protein (hCRHP) mRNA, complete cds"  
 "U12767, class A, 20 probes, 20 in U12767 4598-4922, Human mitogen induced nuclear orphan receptor (MINOR) mRNA, complete cds"  
 "U13737, class A, 20 probes, 20 in U13737 2046-2256, Human cysteine protease CPP32 isoform alpha mRNA, complete cds"  
 "U14518, class A, 20 probes, 20 in U14518 859-1315, Human centromere protein-A (CENP-A) mRNA, complete cds"  
 "U14970, class A, 20 probes, 20 in U14970 122-656, Human ribosomal protein S5 mRNA, complete cds"  
 "U15932, class A, 20 probes, 20 in U15932 1928-2294, Human dual-specificity protein phosphatase mRNA, complete cds"  
 "U16306, class A, 20 probes, 20 in U16306 10722-11142, Human chondroitin sulfate proteoglycan versican V0 splice-variant precursor peptide mRNA, complete cds"  
 "U16799, class A, 20 probes, 20 in U16799 865-1419, Human Na,K-ATPase beta-1 subunit mRNA, complete cds"  
 "U17077, class A, 20 probes, 20 in U17077 1716-2190, Human BENE mRNA, partial cds"  
 "U18062, class A, 20 probes, 20 in U18062 1678-2152, Human TAFI155 (TAFI155) mRNA, complete cds"  
 "U18934, class A, 20 probes, 20 in U18934 4229-4311, Human receptor tyrosine kinase (DTK) mRNA, complete cds"  
 "U20158, class A, 20 probes, 20 in U20158 1551-1911, Human 76 kDa tyrosine phosphoprotein SLP-76 mRNA, complete cds"  
 "U20758, class A, 20 probes, 20 in U20758mRNA 885-1437, Human osteopontin gene, complete cds"  
 "U21128, class A, 20 probes, 20 in U21128 1254-1632, Human lumican mRNA, complete cds"  
 "U23942, class A, 20 probes, 20 in U23942 2811-3129, Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds"  
 "U24166, class A, 20 probes, 20 in U24166 2107-2395, Human EB1 mRNA, complete cds"  
 "U24577, class A, 20 probes, 20 in U24577 1182-1512, Human LDL-phospholipase A2 mRNA, complete cds"  
 "U25182, class A, 20 probes, 20 in U25182 350-860, Human antioxidant enzyme AOE37-2 mRNA, complete cds"  
 "U26312, class A, 20 probes, 20 in U26312 166-686, Human Hs-gamma mRNA, complete cds"  
 "U27326, class A, 20 probes, 20 in U27326 1666-2123, Human alpha (1,3/1,4) fucosyltransferase (FUT3) mRNA, major transcript I, complete cds"  
 "U27333, class C, 9 probes, 9 in all U27333 2701-2753, Human alpha (1,3) fucosyltransferase (FUT6) mRNA, major transcript I, complete cds"  
 "(1,3) fucosyltransferase (FUT6) mRNA, major transcript I, complete cds"  
 "U28488, class A, 20 probes, 20 in U28488 1344-1847, Human putative G protein-coupled receptor (AZ3B) mRNA, complete cds"  
 "U31201\_cds2\_s\_at", "U31201, class A, 20 probes, 20 in U31201 mRNA 4592-5106, Human laminin gamma2 chain gene (LAMC2), Human laminin gamma2 chain gene (LAMC2)"  
 "U31556, class A, 20 probes, 20 in U31556 1445-1679, Human transcription factor E2F-5 mRNA, complete cds"  
 "U32849, class A, 20 probes, 20 in U32849 867-1383, Human Hou mRNA, complete cds"  
 "U34252, class A, 20 probes, 20 in U34252 2177-2579, Human gamma-aminobutyraldehyde dehydrogenase mRNA, complete cds"  
 "U37518, class A, 20 probes, 20 in U37518 1162-1390, Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds"  
 "U37519, class A, 20 probes, 20 in U37519 2304-2784, Human aldehyde dehydrogenase (ALDH8) mRNA, complete cds"  
 "U38545, class A, 20 probes, 20 in U38545 3056-3578, Human ARF-activated phosphatidylcholine-specific phospholipase D1a (hPLD1) mRNA, complete cds"  
 "U39318, class A, 20 probes, 20 in U39318 159-675, Human E2 ubiquitin conjugating enzyme UbCH5C (UBCH5C) mRNA, complete cds"  
 "U40622, class A, 20 probes, 20 in U40622 999-1449, Human XRCC4 mRNA, complete cds"  
 "U41060, class A, 20 probes, 20 in U41060 2936-3416, Human breast cancer, estrogen regulated LIV-1 protein (LIV-1) mRNA, partial cds"

"U43944, class A, 20 probes, 20 in U43944 1705-1978, Human breast cancer cytosolic NADP(+) -dependent malic enzyme mRNA, partial cds"  
 "U46499, class C, 20 probes, 20 not in GB record, Human microsomal glutathione transferase (GST12) gene, 5' sequence"  
 "U46689, class A, 20 probes, 20 in U46692mRNA 84-480, Human cystatin B gene, complete cds"  
 "U46692, class A, 20 probes, 20 in U46692mRNA 84-480, Human microsomal aldehyde dehydrogenase (ALD10) mRNA, complete cds"  
 "U46692\_at  
 "U46692\_mal\_at  
 "U48705\_mal\_s\_at  
 "U49114\_at  
 "U50648\_s\_at  
 "U53446\_at  
 "U53506\_at  
 "U55206\_at  
 "U56814\_at  
 "U57721\_at  
 "U59877\_s\_at  
 "U60060\_at  
 "U60115\_at  
 "U60808\_s\_at  
 "U62800\_at  
 "U63743\_at  
 "U65932\_at  
 "U67122\_s\_at  
 "U67784\_at  
 "U67963\_at  
 "U68142\_at  
 "U69961\_at  
 "U71207\_at  
 "U72621\_at  
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 "U85707\_at  
 "U88964\_at  
 "U89942\_at  
 "U90546\_at  
 "U90902\_at  
 "U90904\_at  
 "U96915\_at  
 "U43944, class A, 20 probes, 20 in U43944 1705-1978, Human breast cancer cytosolic NADP(+) -dependent malic enzyme mRNA, partial cds"  
 "U46499, class C, 20 probes, 20 not in GB record, Human microsomal glutathione transferase (GST12) gene, 5' sequence"  
 "U46689, class A, 20 probes, 20 in U46692mRNA 3326-3867, Human receptor tyrosine kinase DDR gene, complete cds"  
 "U46692, class A, 20 probes, 20 in U48705mRNA 3326-3867, Human prohormone convertase 5 precursor (PC5) mRNA, partial cds"  
 "U48705, class A, 20 probes, 20 in U49114 2196-2700, Human interferon-inducible RNA-dependent protein kinase (Pkr) gene"  
 "U49114, class A, 20 probes, 20 in U50648mRNA 2211-2751, Human mitogen-responsive phosphoprotein DOC-2 mRNA, complete cds"  
 "U50648, class A, 20 probes, 20 in U50648mRNA 2211-2751, Human iodothyronine deiodinase mRNA, complete cds"  
 "U53446, class A, 20 probes, 20 in U53446 2680-3220, Human gamma-glutamyl hydrolase (hGH) mRNA, complete cds"  
 "U53506, class A, 20 probes, 20 in U53506 1344-1836, Human gamma-glutamyl hydrolase (hGH) mRNA, complete cds"  
 "U55206, class A, 20 probes, 18 in U55206 790-1222; 2 not in GB record, Human gamma-glutamyl hydrolase (hGH) mRNA, complete cds"  
 "U56814, class A, 20 probes, 20 in U56814 495-957, Human homologous protein (DHP2) mRNA, complete cds"  
 "U57721, class A, 20 probes, 20 in U57721 1126-1588, Human L-kynurenine hydrolase mRNA, complete cds"  
 "U59877, class A, 20 probes, 20 in U59877 295-750, Human low-Mr GTP-binding protein (RAB31) mRNA, complete cds"  
 "U60060, class A, 20 probes, 20 in U60060 1090-1540, Human FEZ1 mRNA, complete cds"  
 "U60115, class A, 20 probes, 20 in U60115 1863-2211, Human skeletal muscle LIM-protein SLIM1 mRNA, complete cds"  
 "U60115, class A, 20 probes, 20 in U60115 1863-2211, Human skeletal muscle LIM-protein SLIM1 mRNA, complete cds"  
 "U60808, class A, 20 probes, 20 in U60808 1423-2000, Human CDP-diacylglycerol synthase (CDS) mRNA, complete cds"  
 "U62800, class A, 20 probes, 20 in U62800 181-535, Human cystatin M (CST6) mRNA, complete cds"  
 "U63743, class A, 20 probes, 20 in U63743 2187-2715, Human mitotic centromere-associated kinetin mRNA, complete cds"  
 "U65932, class A, 20 probes, 20 in U65932 1244-1634, Human extracellular matrix protein 1 (ECM1) mRNA, complete cds"  
 "U67122, class A, 20 probes, 20 in U67122 469-728, Human ubiquitin-related protein SUMO-1 mRNA, complete cds"  
 "U67784, class A, 20 probes, 20 in U67784 1106-1640, Human orphan G protein-coupled receptor (RDC1) mRNA, partial cds"  
 "U67963, class A, 20 probes, 20 in U67963 590-1148, Human lysophospholipase homolog (HU-K5) mRNA, complete cds"  
 "U68142, class A, 20 probes, 20 in U68142 1372-1900, Human RalGDS-like 2 (RGL2) mRNA, partial cds"  
 "U69961, class A, 20 probes, 20 in U69961 1565-1997, Human solurshin (RGS) mRNA, complete cds"  
 "U71207, class A, 20 probes, 20 in U71207 1846-2224, Human eyes absent homolog (Eab1) mRNA, complete cds"  
 "U72621, class A, 20 probes, 20 in U72621 2581-3145, Human LOT1 mRNA, complete cds"  
 "U73377, class A, 20 probes, 20 in U73377 3059-3363, Human p66shc (SHC) mRNA, complete cds"  
 "U73960, class A, 20 probes, 20 in U73960 566-1022, Human ADP-ribosylation factor-like protein 4 mRNA, complete cds"  
 "U77604, class A, 20 probes, 20 in U77604 13-493, Human microsomal glutathione S-transferase (GST-II) mRNA, complete cds"  
 "U78525, class A, 20 probes, 20 in U78525 2480-2942, Human eukaryotic translation initiation factor (eIF3) mRNA, complete cds"  
 "U82130, class A, 20 probes, 20 in U82130 1151-1451, Human tumor susceptibility protein (TSG101) mRNA, complete cds"  
 "U83115, class A, 20 probes, 20 in U83115 6327-6753, Human non-lens beta gamma-crystallin like protein (AIM1) mRNA, partial cds"  
 "U84573, class A, 20 probes, 20 in U84573 2882-3422, Homo sapiens lysyl hydroxylase isoform 2 (PLQD2) mRNA, complete cds"  
 "U85658, class A, 20 probes, 20 in U85658 2310-2736, Human transcription factor ERF-1 mRNA, complete cds"  
 "U85707, class A, 20 probes, 20 in U85707 1922-2426, Human leukemogenic homolog protein (MEIS1) mRNA, complete cds"  
 "U88964, class A, 20 probes, 20 in U88964 130-568, Human HEM45 mRNA, complete cds"  
 "U89942, class A, 20 probes, 20 in U89942 2867-3383, Human lysyl oxidase-related protein (WS9-14) mRNA, complete cds"  
 "U90546, class B, 12 probes, 12 in U90546 1301-1344, Human butyrophilin (BTF4) mRNA, complete cds, Human butyrophilin (BTF4) mRNA, complete cds"  
 "U90902, class A, 20 probes, 20 in U90902 939-1407, Human clone 23612 mRNA sequence"  
 "U90904, class A, 20 probes, 20 in U90904 1102-1342, Human clone 23773 mRNA sequence"  
 "U96915, class A, 20 probes, 20 in U96915 165-693, Homo sapiens sin3 associated polypeptide p18 (SAP18) mRNA, complete cds."

V00536\_m1\_at "V00536, class A, 20 probes, 20 in V00536mRNA 811-1135, IFNG gene extracted from Human immune interferon (IFN-gamma) gene"  
 V00563\_at "V00563, class A, 20 probes, 20 in V00563mRNA 19-127, Human gene for immunoglobulin mu, Part of exon 8."  
 X01060\_at "X01060, class C, 20 probes, 20 in all\_X01060 4427-4986, Human mRNA for transferrin receptor"  
 X02419\_m1\_s\_at "X02419, class A, 20 probes, 20 in X02419mRNA 1734-2210, H.sapiens uPA gene"  
 X02530\_at "X02530, class C, 20 probes, 20 in all\_X02530 571-1118, Human mRNA for gamma-interferon inducible early response gene (with homology to platelet proteins)"  
 X02761\_s\_at "X02761, class C, 20 probes, 20 in all\_X02761 7082-7646, Human mRNA for fibronectin (FN precursor)"  
 X02875\_s\_at "X02875, class C, 20 probes, 20 in all\_X02875 158-628, Human mRNA (3'-fragment) for (2'-5') oligo A synthetase E (1.8 kb RNA)"  
 X04470\_s\_at "X04470, class B, 19 probes, 15 in X04470cds 24-374: 4 in reverseSequence, 408-495, Human mRNA for antileukoprotease (ALP) from cervix uterus"  
 X04602\_s\_at "X04602, class C, 20 probes, 20 in all\_X04602 920-1086, Human mRNA for interleukin BSF-2 (B-cell differentiation factor)"  
 X05232\_at "X05232, class C, 20 probes, 20 in all\_X05232 1530-1771, Human mRNA for stromelysin"  
 X05610\_at "X05610, class C, 20 probes, 20 in all\_X05610 1701-2098, Human mRNA for type IV collagen alpha-2 chain"  
 X06700\_s\_at "X06700, class C, 20 probes, 20 in all\_X06700 1946-2466, Human mRNA for pro-alpha1(III) collagen"  
 X06948\_at "X06948, class B, 20 probes, 12 in X06948cds 482-680: 8 in reverseSequence, 918-1146, Human mRNA for high affinity IgE receptor alpha-subunit (FcERI)"  
 X07109\_at "X07109, class C, 20 probes, 20 in all\_X07109 2732-3303, Human mRNA for protein kinase C (PKC) type beta II"  
 X07438\_s\_at "X07438, class A, 19 probes, 19 in X07438exon#2/11-166, Human DNA for cellular retinol binding protein (CRBP) exons 3 and 4 /gb=X07438 /ntype=DNA  
 (anno=exon)"  
 X07695\_at "X07695, class C, 20 probes, 20 in all\_X07695 1175-1722, Human mRNA for cytokeratin 4 C-terminal region"  
 X07696\_at "X07696, class C, 20 probes, 20 in all\_X07696 1300-1685, Human mRNA for cytokeratin 15"  
 X07834\_at "X07834, class C, 20 probes, 20 in all\_X07834 515-1026, Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)"  
 X12451\_at "X12451, class A, 20 probes, 20 in X12451mRNA 974-1496, Human mRNA for pro-cathepsin L (major excreted protein MEP)"  
 X13794\_m1\_at "X13794, class A, 20 probes, 20 in X13794mRNA 713-1229, H.sapiens lactate dehydrogenase B gene exon 1 and 2 (EC 1.1.1.27) (and joined CDS)"  
 X13839\_at "X13839, class C, 20 probes, 20 in all\_X13839 768-1300, Human mRNA for vascular smooth muscle alpha-actin"  
 X14008\_m1\_f\_at "X14008, class A, 20 probes, 20 in X14008mRNA 926-1433, Human lysozyme gene (EC 3.2.1.17)"  
 X14813\_at "X14813, class C, 20 probes, 20 in all\_X14813 1077-1618, Human liver mRNA for 3'-oxoacyl-CoA thiolase"  
 X15183\_at "X15183, class C, 20 probes, 20 in all\_X15183 2479-2894, Human mRNA for 90-kDa heat-shock protein"  
 X15187\_at "X15187, class B, 20 probes, 10 in X15187cds 2089-2380: 10 in reverseSequence, 2521-2737, Human tral mRNA for human homologue of murine tumor rejection antigen gp96"  
 X15414\_at "X15414, class C, 20 probes, 20 in all\_X15414 844-1349, Human mRNA for aldose reductase (EC 1.1.1.2)"  
 X16354\_at "X16354, class C, 20 probes, 20 in all\_X16354 2895-3400, Human mRNA for transmembrane carnoembryonic antigen BGPa (formerly TM1-CEA)"  
 X16396\_at "X16396, class C, 20 probes, 20 in all\_X16396 1543-2102, Human mRNA for NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase (EC 1.5.1.15)"  
 X16662\_at "X16662, class C, 20 probes, 20 in all\_X16662 1399-1916, Human mRNA for vascular anticoagulant-beta (VAC-beta)"  
 X17042\_at "X17042, class C, 20 probes, 20 in all\_X17042 689-1158, Human mRNA for hematopoietic proteoglycan core protein"  
 X51408\_at "X51408, class C, 20 probes, 20 in all\_X51408 1626-2017, Human mRNA for n-chimaerin"  
 X51420\_at "X51420, class C, 20 probes, 20 in all\_X51420 2264-2781, Human mRNA for tyrosinase-related protein"  
 X51441\_at "X51441, class B, 12 probes, 11 in X51441cds 28-65: 1 in reverseSequence, 228, Human mRNA for serum amyloid A (SAA) protein partial, clone pAS3-  
 alpha, Human mRNA for serum amyloid A (SAA) protein partial, clone pAS3-alpha"  
 X51441\_s\_at "X51441, class C, 8 probes, 8 in all\_X51441 55-90, Human mRNA for serum amyloid A (SAA) protein partial, clone pAS3-alpha"  
 X51521\_at "X51521, class C, 20 probes, 20 in all\_X51521 2653-3026, Human mRNA for ezrin"

X51801\_at  
 X52022\_at  
 X52426\_s\_at  
 X53296\_s\_at  
 X54489\_mai1\_at  
 X54867\_s\_at  
 X54925\_at  
 X54941\_at  
 X56654\_at  
 X57522\_at  
 X57579\_s\_at  
 X59770\_at  
 X59892\_at  
 X61123\_at  
 X61970\_at  
 X63629\_at  
 X64707\_at  
 X65614\_at  
 X65965\_s\_at

"X51801, class C, 20 probes, 20 in all\_X51801 1415-1824, Human OP-1 mRNA for osteogenic protein"  
 "X52022, class A, 20 probes, 20 in\_X52022 9941-10349, H.sapiens RNA for type VI collagen alpha3 chain"  
 "X52426, class C, 20 probes, 20 in all\_X52426 1139-1665, H.sapiens mRNA for cytokeratin 13"  
 "X53296, class C, 20 probes, 20 in all\_X53296 1099-1657, H.sapiens mRNA for type VI collagen alpha3 chain"  
 "X54489, class A, 20 probes, 20 in\_X54489mRNA 660-1034, Human gene for melanoma growth stimulatory activity (MGSA)"  
 "X54867, class A, 20 probes, 20 in\_X54867mRNA 783-1293, Human mRNA for NK G2-A gene"  
 "X54925, class C, 20 probes, 20 in all\_X54925 153-1904, H.sapiens mRNA for type I interstitial collagenase"  
 "X54941, class C, 20 probes, 20 in all\_X54941 194-687, H.sapiens cktshs1 mRNA for Cks1 protein homologue"  
 "X56654, class A, 20 probes, 20 in\_X56654mRNA 3221-3641, Human DSG1 mRNA for desmoglein type 1"  
 "X57522, class C, 20 probes, 20 in all\_X57522 2229-2788, H.sapiens RING4 cDNA"  
 "X57579, class A, 20 probes, 18 in\_X57579exon 545-840, Human DSG1 mRNA for desmoglein type 1"  
 "X59770, class A, 20 probes, 20 in\_X59770mRNA 685-1213, H.sapiens activin beta-A subunit (exon 2)"  
 "X59892, class C, 20 probes, 20 in all\_X59892 2163-2542, H.sapiens mRNA for type II interleukin-1 receptor, (cell line CB23)"  
 "X61123, class A, 20 probes, 20 in\_X61123mRNA 1212-1608, Human BTG1 mRNA"  
 "X61970, class A, 20 probes, 17 in\_X61970cds 299-677: 3 in reverseSequence, 758-860, H.sapiens mRNA for macropain subunit zeta"  
 "X63629, class C, 20 probes, 20 in all\_X63629 2582-3126, H.sapiens mRNA for P-cadherin"  
 "X64707, class C, 20 probes, 20 in all\_X64707 401-388, H.sapiens BBC1 mRNA"  
 "X65614, class B, 20 probes, 10 in\_X65614cds 10-262: 10 in reverseSequence, 19-391, H.sapiens mRNA for calcium-binding protein S100P"  
 "X65965, class A, 18 probes, 18 in\_X65965exon#1-2 32-94, H.sapiens SOD-2 gene for manganese superoxide dismutase. /gb=X65965 /ntype=DNA  
 "/anno=exon"

X66534\_at  
 X67098\_at  
 X67951\_at  
 X68277\_at  
 X68742\_at  
 X69141\_at  
 X70476\_at  
 X75252\_at  
 X76029\_at  
 X76180\_at  
 X76223\_s\_at  
 X76342\_at  
 X76534\_at  
 X76648\_at  
 X76732\_at  
 X77584\_at  
 X78349\_at  
 X78565\_at  
 X78932\_at  
 X82153\_at

"X66534, class C, 20 probes, 20 in all\_X66534 2622-2953, H.sapiens soluble guanylate cyclase large subunit mRNA"  
 "X67098, class A, 20 probes, 20 in\_X67098exon#8 40-454, H.sapiens rTS alpha mRNA containing four open reading frames"  
 "X67951, class B, 20 probes, 10 in\_X67951cds 312-576: 10 in reverseSequence, 642-888, H.sapiens mRNA for proliferation-associated gene (pag)"  
 "X68277, class C, 20 probes, 20 in all\_X68277 1459-1952, H.sapiens CL100 mRNA for protein tyrosine phosphatase"  
 "X68742, class C, 20 probes, 20 in all\_X68742 2942-3423, H.sapiens mRNA for integrin, alpha subunit"  
 "X69141, class C, 20 probes, 20 in all\_X69141 1444-1997, H.sapiens mRNA for squalene synthase"  
 "X70476, class A, 20 probes, 20 in\_X70476mRNA 2526-3024, H.sapiens subunit of coatomer complex"  
 "X75252, class C, 20 probes, 20 in all\_X75252 1083-1408, H.sapiens phosphatidylethanolamine binding protein mRNA"  
 "X76029, class B, 20 probes, 14 in\_X76029cds 141-453: 6 in reverseSequence, 636-756, H.sapiens mRNA for neuromedin U"  
 "X76180, class C, 20 probes, 20 in all\_X76180 2760-3115, H.sapiens mRNA for lung amiloride sensitive Na+ channel protein"  
 "X76223, class A, 20 probes, 20 in\_X76223exon 2-540, H.sapiens MAL gene exon 4."  
 "X76342, class C, 20 probes, 20 in all\_X76342 1484-2019, H.sapiens ADH7 mRNA"  
 "X76534, class C, 20 probes, 20 in all\_X76534 2145-2614, H.sapiens NMB mRNA"  
 "X76648, class C, 20 probes, 20 in all\_X76648 338-777, H.sapiens mRNA for glutaredoxin"  
 "X76732, class B, 20 probes, 12 in\_X76732cds 975-1221: 6 in reverseSequence, 1464-1518: 2 not in GB record, H.sapiens NEFA protein mRNA, complete cds  
 (DNA-binding leucine zipper protein, calcium-binding EF-hand protein, from acute lymphoblastic leukemia ce)"  
 "X77584, class B, 20 probes, 14 in\_X77584cds 5-215: 6 in reverseSequence, 43-481, H.sapiens mRNA for ATL-derived factor/thioredoxin"  
 "X78349, class C, 20 probes, 20 in all\_X78349 1912-2186, H.sapiens brk mRNA for tyrosine kinase"  
 "X78565, class C, 20 probes, 20 in all\_X78565 6971-7512, H.sapiens mRNA for tenascin-C, 7560bp"  
 "X78932, class C, 20 probes, 20 in all\_X78932 421-976, H.sapiens HZF9 mRNA for zinc finger protein"  
 "X82153, class C, 20 probes, 20 in all\_X82153 1128-1615, H.sapiens mRNA for cathepsin O"

X82200\_at "X82200, class C, 20 probes, 20 in all\_X82200 2236-2801, H.sapiens Staf50 mRNA"  
 X82693\_at "X82693, class C, 20 probes, 20 in all\_X82693 134-681, H.sapiens mRNA for E48 antigen"  
 X85116\_mal\_s\_at "X85116, class C, 20 probes, 20 not in GB record, H.sapiens transcript associated with monocyte to macrophage differentiation"  
 X85750\_at "X85750, class C, 20 probes, 20 in all\_X85750 1935-2500, H.sapiens mRNA for epb72 gene exon 1"  
 X87212\_at "X87212, class C, 20 probes, 20 in all\_X87212 1273-1772, H.sapiens mRNA for cathepsin C"  
 X87241\_at "X87241, class C, 20 probes, 20 in all\_X87241 14353-14738, H.sapiens mRNA for hFAT protein"  
 X91911\_s\_at "X91911, class A, 20 probes, 18 in X91911cds 321-711: 2 in reverseSequence, 912-950, H.sapiens mRNA for RTVP-1 protein"  
 X95240\_s\_at "X95240, class C, 20 probes, 20 in all\_X95240 1487-2056, H.sapiens mRNA for cysteine-rich secretory protein-3"  
 X96719\_at "X96719, class A, 20 probes, 16 in X96719cds 86-398: 4 in reverseSequence, 674-710, H.sapiens mRNA for AICL (activation-induced C-type lectin)"  
 X98311\_at "X98311, class C, 20 probes, 20 in all\_X98311 1901-2274, H.sapiens mRNA for carcinoembryonic antigen, CGM2"  
 Y00264\_at "Y00264, class C, 20 probes, 20 in all\_Y00264 2984-3321, Human mRNA for amyloid A4 precursor of Alzheimer disease"  
 Y00787\_s\_at "Y00787, class C, 20 probes, 20 in all\_Y00787 1314-1469, Human mRNA for MDNCF (monocyte-derived neutrophil chemoattractant factor)"  
 Y00815\_at "Y00815, class C, 20 probes, 20 in all\_Y00815 7107-7684, Human mRNA for LCA-homolog, LAR protein (leukocyte antigen related)"  
 Y07759\_at "Y07759, class C, 20 probes, 20 in all\_Y07759 5956-6377, H.sapiens mRNA for myosin heavy chain 12"  
 Y07867\_at "Y07867, class B, 20 probes, 11 in Y07867cds 643-787: 9 in reverseSequence, 1087-1237, H.sapiens mRNA for Pirin, isolate 1"  
 Y07909\_at "Y07909, class C, 20 probes, 20 in all\_Y07909 2383-2774, H.sapiens mRNA for Progression Associated Protein"  
 Y09267\_at "Y09267, class A, 20 probes, 20 in Y09267 1148-1664, H.sapiens mRNA for flavin-containing monooxygenase 2 /gb=Y09267 /ntype=RNA"  
 Y09616\_at "Y09616, class C, 20 probes, 20 in all\_Y09616 1443-1948, H.sapiens mRNA for putative carboxylesterase"  
 Z15108\_at "Z15108, class C, 20 probes, 20 in all\_Z15108 1535-2130, H.sapiens mRNA for protein kinase C zeta"  
 Z19574\_mal\_at "Z19574, class A, 20 probes, 20 in Z19574mRNA 1039-1479, H.sapiens gene for cytokeratin 17"  
 Z23090\_at "Z23090, class A, 20 probes, 17 in Z23090cds 277-589: 3 in reverseSequence, 1086-1098, H.sapiens mRNA for 28 kDa heat shock protein"  
 Z24727\_at "Z24727, class C, 20 probes, 20 in all\_Z24727 1355-1569, H.sapiens tropomyosin isoform mRNA, complete CDS"  
 Z26491\_s\_at "Z26491, class A, 20 probes, 20 in Z26491exon#5 388-430, H.sapiens gene for catechol O-methyltransferase"  
 Z29083\_at "Z29083, class C, 20 probes, 20 in all\_Z29083 1644-2023, H.sapiens 5T4 gene for 5T4 Oncofetal antigen"  
 Z29574\_at "Z29574, class A, 20 probes, 17 in Z29574exon#3 1-373: 1 in reverseSequence, 3141: 2 not in GB record, Homo sapiens gene for BCMA peptide"  
 Z47087\_at "Z47087, class C, 20 probes, 20 in all\_Z47087 1065-1438, H.sapiens mRNA for RNA polymerase II elongation factor-like protein"  
 Z48042\_at "Z48042, class C, 20 probes, 20 in all\_Z48042 2679-3232, H.sapiens mRNA encoding GPI-anchored protein p137"  
 Z49148\_s\_at "Z49148, class A, 20 probes, 16 in Z49148cds 2-418: 4 in reverseSequence, 18-589, H.sapiens mRNA for ribosomal protein L29"  
 Z49194\_at "Z49194, class A, 20 probes, 20 in Z49194exon#5 1962-2256, H.sapiens mRNA for oct-binding factor"  
 Z74616\_s\_at "Z74616, class C, 20 probes, 20 in all\_Z74616 4470-4992, H.sapiens mRNA for prepro-alpha2(I) collagen."  
 Z84721\_cds2\_at "Z84721, class C, 20 probes, 20 in all\_Z84721 30317-34635, Human DNA sequence from cosmid GG1 from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3 Contains alpha and zeta globin genes and ESTs., Human DNA sequence from cosm"